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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**In re United States Patent Application of:**

**Applicants: Frank DiMeo, Jr., et al.**

**Examiner: Hoa Q. Pham**

**Serial No.: 09/442,568**

**Group Art Unit: 2877**

**Date Filed: November 18, 1999**

**Title: OPTICAL HYDROGEN DETECTOR**

TECHNOLOGY CENTER 2800

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**AMENDMENT AND RESPONSE**

Commissioner for Patents  
Washington, D.C. 20231

In response to the Office Action dated July 29, 2002, Applicants respectfully request entry of the following Amendments and consideration of the subsequent remarks.

**IN THE SPECIFICATION**

Please replace the last paragraph before the paragraph beginning at line 16 with the following:

Figure 11 depicts another embodiment of the present invention, where the optical filter comprises a rare earth metal thin film deposited on an optical output surface of the light source. In Figure 11, the hydrogen gas detector 50 comprises a light source 32 having an

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